

CLAIMS

Please cancel claims 1-128.

Please add the following new claims.

129. (New) An apparatus including:
a hardware interface to be connected to a processing device;
a data module to interact with at least one sensor and with the processing device;
a display module to display data collection results on a display of the processing device.

130. (New) The apparatus of claim 129 wherein the processing device is a handheld processing device.

131. (New) The apparatus of claim 129 wherein the processing device is a personal computer.

132. (New) The apparatus of claim 129 wherein the processing device is a combination of a handheld processing device and a personal computer.

133. (New) The apparatus of claim 129 further comprising a memory module to store data supplied by the at least one sensor.

134. (New) The apparatus of claim 129 wherein the software module further configured to calibrate the at least one sensor.

135. (New) The apparatus of claim 129 further comprising an alert module to notify a user of the apparatus of an event based on data provided by the at least one sensor.

136. (New) The apparatus of claim 129 further comprising a power source.

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Claim

137. (New) The apparatus of claim 129 wherein the at least one sensor is a sensor for assessing chemical composition of a liquid sample.

138. (New) The apparatus of claim 129 wherein the at least one sensor is a sensor for monitoring athletic activity.

139. (New) The apparatus of claim 129 wherein the at least one sensor is a sensor for detecting acceleration changes.

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140. (New) The apparatus of claim 129 wherein the at least one sensor is a sensor for detecting light.

141. (New) The apparatus of claim 129 wherein the at least one sensor is a sensor for detecting temperature.

142. (New) The apparatus of claim 129 wherein the at least one sensor is an analog sensor.

143. (New) The apparatus of claim 129 wherein the at least one sensor is a digital sensor.

144. (New) The apparatus of claim 129 wherein the data module includes an analog-to-digital converter.

145. (New) The apparatus of claim 129 wherein the data module processes the data prior to display of the data collection results on the display.

146. (New) A apparatus comprising:
a processing device;
a sensor; and

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contd

an adjustable module connected to the processing device and the sensor, the adjustable module processing data received from the sensor and displaying the data on a display of the processing device.

147. (New) The apparatus of claim 146 wherein the processing device is a handheld device.

148. (New) The apparatus of claim 146 wherein the processing device is a personal computer.

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149. (New) The apparatus of claim 146 wherein the processing device is a combination of a handheld device and a personal computer.

150. (New) The apparatus of claim 146 wherein the sensor is an analog sensor.

151. (New) The apparatus of claim 146 wherein the sensor is a digital sensor.

152. (New) The apparatus of claim 146 wherein the adjustable module includes an analog-to-digital converter.

153. (New) The apparatus of claim 146 wherein the adjustable module further calibrates the sensor.

154. (New) The apparatus of claim 146 wherein the adjustable module further generates graphical representation of the data received from the sensor.

155. (New) The apparatus of claim 146 wherein the adjustable module further directs the sensor to change data collection features of the sensor based on at least one user instruction.

156. (New) The apparatus of claim 146 wherein the adjustable module further alerts a user of the apparatus of an event based on data received from the sensor.

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157. (New) The apparatus of claim 146 wherein the sensor is a sensor from a group including temperature sensor, acceleration sensor, radiation sensor, chemical sensor, biological sensor, weight sensor, bar code sensor, inventory tag sensor, motion sensor, infrared sensor, pH level sensor, heart monitor sensor.

158. (New) A method comprising:
receiving data from a sensor, the sensor connected to an attachable device;
processing the data at the attachable device; and
providing results of the processing to a processing device for display.

159. (New) The method of claim 158 wherein the processing the data includes generating graphical representation of the data.

160. (New) The method of claim 158 wherein the processing the data includes converting the data into digital form.

161. (New) The method of claim 158 wherein the processing the data includes determining whether an event occurs.

162. (New) The method of claim 161 further comprising generating alert signal to display at the processing device if the event occurs.

163. (New) The method of claim 158 further comprising calibrating the sensor based on at least one instruction of a user.

164. (New) The method of claim 158 further comprising annotating the data based on at least one instruction of a user.

165. (New) The method of claims 158 further comprising changing options of the sensor based on at least one instruction of the user.

166. (New) The method of claim 165 wherein options include sampling rates.

167. (New) The method of claim 165 wherein options include a scale of measurement.

168. (New) The method of claim 165 wherein options include measurement units.

169. (New) The method of claim 158 further comprising changing display of the data based on user actions.

170. (New) The method of claim 169 wherein the user actions are provided via a set of controls of the processing device.

171. (New) An apparatus comprising:
means for receiving data from a sensor, the sensor connected to an attachable device;
means for processing the data at the attachable device; and
means for providing results of the processing to a processing device for display.